(Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 20750-034US1

April 21, 2006

Applicant

Application No. 10/540,650

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Bradley Teegarden, et al. Filing Date

Group Art Unit

8(b))

Examiner	Desig.	Document	Publication	nt Documents			Filing Date
Initial	ID ID	Number	Date	Patentee	Class	Subclass	If Appropriate
/SY/	A1	US 3939271	02/17/1976	Gschwend			
	A2	US 4022800	05/10/1997	Gschwend			
	A3	US 4099012	07/04/1978	Gschwend			
	A4	US 4405644	09/20/1983	Kabbe et al.			
	A5	US 4409231	10/11/1983	Stenzel et al.			
	A6	US 4985352	01/15/1991	Julius et al.			
	A7	US 5077409	12/31/1991	Wissner			
	A8	US 5128351	07/07/1992	Wissner			
	A9	US 5523280	06/04/1996	Chene et al.			
	A10	US 5663388	05/27/1997	Diana et al.			
	All	US 5661024	08/26/1997	Kao et al.			
	A12	US 5739153	04/14/1998	Peignier et al.			
	A13	US 5856514	01/05/1999	Peignier et al			
	A14	US 5886044	03/23/1999	Widdowson et al.			
	A15	US 5905080	05/18/1999	Duckworth et al.			
	A16	US 5945382	08/31/1999	Cantegril et al.			
	A17	US 5990133	11/23/1999	Gaster et al.			
	A18	US 6005008	12/21/1999	Widdowson et al.			
	A19	US 6028085	02/22/2000	Bromibge		-	
	A20	US 6037377	03/14/2000	Anderskewitz et al.			
	A21	US 6054472	04/25/2000	Armistead et al.			
	A22	US 6140509	10/31/2000	Behan et al.			
	A23	US 6271261	08/07/2001	Widdowson			
	A24	US 6297261	10/02/2001	Christophersen et al.			
	A25	US 6417393	07/09/2002	Christophersen et al.			
	A26	US 6479480	11/12/2002	Moyes et al.			
V	A27	US 6479519	11/12/2001	Astles et al.			

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 U.S. Department of Commerce Attorney's Docket No. Application No. Patent and Trademark Office (Modified) 20750-034US1 10/540,650 Information Disclosure Statement Applicant Bradley Teegarden, et al. by Applicant (Use several sheets if necessary) Filing Date Group Art Unit April 21, 2006

(37 CFR §1.98(b))

U.S. Patent Documents Examiner Publication Desig. Document Filing Date Initial ID Number Date Patentee Class Subclass If Appropriate /SY/ A28 US 6531291 03/11/2003 Kabbash et al. A29 US 6541209 04/01/2003 Rehan et al A30 US 6696475 02/24/2004 Dahl et al. A31 US 6706749 03/16/2004 Dahl et al. US A32 05/27/2004 Miller et al 2004/0102636 US 6784183 A33 08/31/2004 Lavielle et al. US A34 03/10/2005 Potter et al. 2005/0054691 US A35 Pinto et al. 12/01/2005 2005/0267097 A36 01/19/2006 Howitz et al. 2006/0014705 US A37 09/14/2006 Wong et al. 2006/0205792 A38 02/15/2007 Nunes et al. 2007/0037827

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig.	Document Number	Publication Date	Country or Patent Office	Class	Subcla ss	Transla Yes	tion No
/SY/	A39	DE 4203201	08/12/1993	Germany	Class	55	Abstract	INO
1	A42	EP 0405602	01/02/1991	Europe			Abstract	_
	A41	EP 0410552	01/30/1991	Europe			Abstract	
	A42	EP 0538156	04/21/1993	Europe			Abstract	
	A43	EP 1108720	06/20/2001	Europe				
	A44	EP 1558582	08/03/2005	Europe				
	A45	EP 1734039	12/20/2006	Europe				
	A46	FR 2705962	12/09/1994	France			In US 5,739,153	
	A47	JP 0393774	04/18/1991	Japan			Abstract	
	A48	JP 07165724	06/27/1995	Japan			Abstract	
V	A49	JP 09227524	09/02/1997	Japan			Abstract	

Examiner Signature Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. Application No. 20750-034US1 10/540,650

Information Disclosure Statement by Applicant (Use several sheets if necessary) Applicant Bradley Teegarden, et al.

Filing Date

April 21, 2006

Group Art Unit

(37 CFR §1.98(b))

Foreign Patent Documents or Published Foreign Patent Applications Examiner Desia. Document Publication Country or Subcla Translation Initial ID. Number Date Patent Office Class 22 Yes No In US A50 WO 93/16036 08/19/1993 WIPO /SY/ 6.037,377 In US A51 WO 93/22287 11/11/1993 WIPO 5,856,514 In US WIPO A52 WO 94/29276 12/22/1994 5,739,153 w/English A53 WO 96/02138 02/01/1996 WIPO translation A54 WO 96/10559 04/11/1996 WIPO A55 WO 97/04772 02/13/1997 WIPO A56 WO 97/03967 02/06/1997 WIPO A57 WO 97/04773 02/13/1997 WIPO WIPO A58 WO 97/29748 08/21/1997 A 59 WO 97/34881 09/25/1997 WIPO A60 WO 97/45111 WIPO 12/04/1997 A61 WO 98/24785 06/11/1998 WIPO A62 WO 99/06354 02/11/1999 WIPO A63 WO 99/32436 07/01/1999 WIPO A64 WO 99/32463 07/01/1999 WIPO A65 WO 99/52927 10/21/1999 WIPO A66 WO 00/57877 10/05/2000 WIPO A67 WO 00/64866 11/02/2000 WIPO A68 WO 00/66562 11/09/2000 WIPO A69 WO 01/21160 03/29/2001 WIPO A70 WO 01/29008 04/26/2001 WIPO A71 WO 02/39987 05/23/2002 WIPO A72 WO 02/076464 10/03/2002 WIPO A73 WO 03/062206 07/31/2003 WIPO A74 WO 2004/028450 04/08/2004 WIPO A75 WO 2004/058722 07/15/2004 WIPO

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

			Blicet _4_ 01 _7_
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20750-034US1	Application No. 10/540,650
	closure Statement oplicant	Applicant Bradley Teegarden, et al.	
(Use several st (37 CFR §1.98(b))	neets if necessary)	Filing Date April 21, 2006	Group Art Unit

Examiner	Foreign Patent Documents or Published Foreign Patent Applications Examiner Design Document Publication Country or Subcla Translation							
Initial	Desig. ID	Document Number	Date	Country or Patent Office	Class	ss	Yes	No
/SY/	A76	WO 2004/071426	08/26/2004	WIPO				
	A77	WO 2004/085433	10/07/2004	WIPO				
	A78	WO 2004/096771	11/11/2004	WIPO				
	A79	WO 2005/012254	02/10/2005	WIPO				
	A80	WO 2005/077345	08/25/2005	WIPO				
	A81	WO 2005/103011	11/03/2005	WIPO				
	A82	WO 2006/018662	02/23/2006	WIPO				
	A83	WO 2006/049941	05/11/2006	WIPO				
	A84	WO 2006/060654	06/08/2006	WIPO				
	A85	WO 2006/076592	07/20/2006	WIPO				
	A86	WO 2006/081335	08/03/2006	WIPO				
	A87	WO 2006/089871	08/31/2006	WIPO				
V	A88	WO 2007/002559	01/04/2007	WIPO				

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Initial	ID D	Document
/SY/	A89	American Academy of Sleep Medicine, "The International Classification of Sleep Disorders, Revised," 2001
	A90	Andrezejewska-Buczko, J. et al., "Serotonin in diabetic retinopathy," Klinika Oczna, 98(2):101-4 (1996) ABSTRACT*
	A91	Berge, S. et al., "Pharmaceutical salts," Journal of Pharmaceutical Sciences, 66(1):1-19 (1977)
	A92	Blier, P. et al., "Putative mechanisms of action of antidepressant drugs in affective and anxiety disorders and pain," Journal of Psychiatry and Neuroscience, 26(1):37-43 (2000)
	A93	Cameron, N. et al., "The effects of 5-hydroxytryptamine 5-HT; receptor antagonists on nerve conduction velocity and endoneurial perfusion in diabetic rats," Naunyn Schmiedeberg's Archive of Pharmacology, 367:607-14 (2003)
	A94	Casey, C. et al., "Constitutively active mutant 5HT _{2A} serotonin receptors: inverse agonist activity of classical 5HT _{2A} antagonists," Society for Neuroscience, 22:1778 (1996) ABSTRACT
	A95	Cazzola, M. et al., "5-HT modifiers as a potential treatment of asthma," TiPS, 21:13-6 (2000)
	A96	Chang, F. A. et al., "Mechanism of ocular hypotensive action of ketanserin," <i>Journal of Ocular Pharmacology</i> , 1(2):137-47 (1985)
V	A97	Cohen-Mansfield, J. et al., "Agitated behaviors in the elderly I. a conceptual review," JAGS, 34(10):711-21 (1986)

Examiner Signature	Date Considered					
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with						
next communication to applicant.						
	Substitute Disclosure Form (PTO-1449)					

Substitute Form PTO-1449
U.S. Department of Commerce (Modified)
Patent and Trademark Office
Information Disclosure Statement by Applicant
(Use several sheets if necessary)

Applicant
Filing Date
Applicant
Filing Date

Application No. 20750-034US1 10/540,650

Application No. 10/540,650

(37 CFR §1.98(b))

April 21, 2006

	Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner	Desig.	D				
Initial	טו	Document Color Transfer of the Color Transfe				
/SY/	A98	Collier, T. L. et al., "Radiosynthesis and in vivo evaluation of the psuedopeptide δ-opioid antagonist [¹²⁵ I]-ITIPP(ψ)," Journal of Labelled Cpd. Radiopharm., 42 (Suppl. 1):S264-6 (1999)				
		De Bie, J. J. et al., "Modulation of airway hyperresponsiveness and eosinophilia by selective				
	A99	histamine and 5-HT receptor antagonists in a mouse model of allergic asthma," British Journal of Pharmacology, 124:857-64 (1998)				
	A100	Dosa, P.I. et al., "Synthesis and SAR of solubilized pyrazole derivatives as 5-HT _{2A} inverse-agonists for platelet aggregration," 232th ACS National Meeting, Medi 431				
		Elphick, G. et al., "The human polyomavirus, JCV, uses serotonin to infect cells," Science,				
	A101	306:1380-3 (2004)				
		Gründer, G. et al., "Time course of 5-HT _{2A} receptor occupancy in the human brain after a single dose				
	A102	of the putative antipsychotic drug MDL 100,907 measured by positron emission tomography," Neuropsychopharmacology, 17(3):175-85 (1997)				
	A103	Herrick-Davis, K. et al., "Constitutively active 5HT2C serotonin receptor created by site directed				
	A103	mutagenesis," Society for Neuroscience, 22:1779 (1996) ABSTRACT				
	A104	Herrick-Davis, K. et al., "Activating mutations of the serotonin 5HT _{2c} receptor," <i>Journal of Neurochemistry</i> , 69(3):1138-44 (1997)				
	A105	Kanayama, M. et al., "New treatment of lumbar disc herniation using 5-hydroxytryptamine2A				
	Alos	receptor inhibitor: a randomized controlled trial," Journal of Neurosurgery: Spine, 2:441-6 (2005)				
		Katz, I. et al., "Comparison of risperidone and placebo for psychosis and behavioral disturbances				
	A106	associated with dementia: a randomized double-blind trial," Journal of Clinical Psychiatry, 60(2): 107-15 (1999)				
		Koss, E. et al., "Assessing patterns of agitation in Alzheimer's disease patients with the Cohen-				
	A107	Mansfield agitation inventory," Alzheimer's Disease and Associated Disorders, 11(S2):S45-50 (1997)				
	A108	Landolt, H. et al., "Serotonin-2 receptors and human sleep: effect of a selective antagonist on EEG				
	A108	power spectra," Neuropsychopharmacology, 21(3):455-66 (1999)				
	A109	Le Bas, M. et al., "Radioiodinated analogs of EP 00652218 for the exploration of the tachykinin				
		NK1 receptor by spect," Journal of Labelled Cpd. Radiopharm., 44(S1):S280-2 (2001)				
	A110	Mastropasqua, L. et al., "Ocular hypertensive effect of ketanserin in patients with primary open angle glaucoma," Acta Ophthalmologica Scandinavica, 75:24-5 (1997)				
		Muto, T. et al., "Protective effects of sarpogrelate, a 5HT _{2A} antagonist, against postischemic				
	Alll	myocardial dysfunction in guinea-pig hearts," Molecular and Cellular Biochemistry, 272:119-32 (2005)				
	A112	National Institutes of Health, "Facts about Insomnia," NIH publication no. 95-3801 (1995)				
	A113	Nishiyama, T., "Effects of 5HT _{2A} receptor antagonist, sarpogrelate on thermal or inflammatory				
	AIII	pain," European Journal of Pharmacology, 516:18-22 (2005)				
	A114	Nomura, S. et al., "5HT _{2A} receptor antagonist increases circulating adiponectin in patients with type				
		2 diabetes," Blood Coagulation and Fibrinolysis, 16(6):423-8 (2005)				
	A115	Pietraszek, M. H. et al., "Blood serotonergic mechanisms in type 2 (non-insulin dependant) diabetes mellitus," <i>Thrombosis Research</i> , 66:765-74 (1992)				
\/		Prosser, W. A. et al., "Selective serotonin 5HT _{2A} inverse agonists promote sleep consolidation in				
V	A116	male Wistar rats during the normal inactive phase," Poster #29				
		P, 10000 // P				

illate wistai fats c	male wistar rats during the normal macrive phase, Foster #29			
Examiner Signature	Date Considered			
·				

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 U.S. Department of Commerce Attorney's Docket No. Application No. (Modified) Patent and Trademark Office 10/540,650 20750-034US1 Information Disclosure Statement Applicant Bradley Teegarden, et al. by Applicant (Use several sheets if necessary) Filing Date Group Art Unit April 21, 2006

(37 CFR §1.98(b))

next communication to applicant.

Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner	Desig.	The state of the			
Initial	ID	Document			
/SY/	A117	Satomura, K. et al., "Sarpogrelate, a specific 5HT2-receptor antagonist, improves the coronary microcirculation in coronary artery disease," Clinical Cardiology, 25:28-32 (2002)			
	A118	Sawnyok, J. et al., "Antidepressants as analgesics: an overview of central and peripheral mechanisms of action," <i>Journal of Psychiatry and Neuroscience</i> , 26(1):21-9 (2001)			
	A119	Sharpley, A.L. et al., "Slow wave sleep in humans: role of 5HT _{2A} and 5HT _{2c} receptors," Nauropharmacology, 33(3/4):467-71 (1994)			
	A120	Shibata, R. et al., "Adiponectin protects against myocardial ischemiareperfusion injury through AMPK- and COX-2- dependent mechanisms," <i>Nature Medicine</i> , advanced online Publication: 1-8			
	A121	Smith, G. et al., "Test-retest variability of serotonin 5HT _{2A} receptor binding measured with positron emission tomography and [¹⁸ F]altanserin in the human brain," Synapse, 30:380-92 (1998)			
	A122	Staley, J. et al., "Comparison of [18F] altanserin and [18F] deuteroal tanserin for PET imaging of serotonin ₂ , receptors in baboon brain: pharmacological studies," Nuclear Medicine and Biology, 28:271-9 (2001)			
	A123	Strah-Pleynet, S. et al., "Discovery and SAR of novel 5HT _{2A} inverse-agonists," 227th ACS National Meeting, MEDI 270 (2004)			
	A124	Strah-Pleynet, S. et al., "Bioisosteric Modifications of Urea Derivatives as 5-HT _{2A} Inverse-Agonist". 229 th ACS National Meeting, MEDI 49 (2005)			
	A125	Street, J. et al., "Olanzapine treatment of psychotic and behavioral symptoms in patients with Alzheimer's disease in nursing care facilities," Archive of General Psychiatry, 57:968-76 (2000)			
	A126	Takahashi, T. et al., "Sarpogrelate hydrochloride, a serotonin 2A receptor antagonist, reduces albuminuria in patients with early-stage diabetic nephropathy," Diabetes Research and Clinical Pratice, 58:123-9 (2002)			
	A127	Takenaka, H. et al., "The effect of Anplag® (sarpogrelate HCL). Novel selective 5-HT ₂ antagonist of intraocular pressure in glaucoma patients," <i>Investigative Ophthalmology & Visual Science</i> , 36(4):S734 (1995) ABSTRACT			
	A128	Talvik-Lofti, M. et al., "High HT _{2A} occupancy in M100907-treated schizophrenic patients," Psychopharmacology, 148:400-3 (2000)			
	A129	Verstraete, M. "Prevention of atherosclerotic complications: controlled trial of ketanserin," British Medical Journal, 298:424-30 (1989)			
	A130	Vikenes, K. et al., "Serotonin is associated with coronary artery disease and cardiac events," Circulation, 100:483-9 (1999)			
	A131	Wilson, H et al., "LY53857, a HT ₂ receptor antagonist delays occlusion and inhibits platelet aggression in a rabbit model of carotid artery occlusion," <i>Thrombosis and Haemostasis</i> , 66 (3) 355-60 (1991).			
	A132	Winokur, A. et al., "Acute effects of Mirtazapine on sleep continuity and sleep architecture in depressed patients: a pilot study," <i>Biological Psychiatry</i> , 48:75-8 (2000)			
	A133	Zhu, G. et al., "Synthesis and mode of action of ¹²⁵ I- and ³ H-labeled thieno[2,3,-c]pyridine antagonists of cell adhesion molecule expression," <i>Journal of Organic Chemistry</i> , 67:943-8 (2002)			
	A134	Copy of International Search Report for International Application No. PCT/US2005/041726 dated May 18, 2006 by Authorized Officer Stefan Härtinger.			
V	A135	Copy of International Preliminary Report on Patentability for International Application No. PCT/US2005/041726 dated September 21, 2006 by Authorized Officer Stefan Härtinger.			

Examiner Signature	Date Considered 06/06/2008			
/Shawquia Young/				
EXAMINED: Initials citation considered. Draw line through citation if not in conformance and not considered, Include conv. of this form with				

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20750-034US1	Application No. 10/540,650
	closure Statement	Applicant Bradley Teegarden, et al.	
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date April 21, 2006	Group Art Unit

^{*}Not enclosed, available upon request

Examiner Signature	Date Considered
Examinar digitators	Bate considered